

Message Text

CONFIDENTIAL

PAGE 01 SINAI 00162 021133Z

14

ACTION SSM-05

INFO OCT-01 NEA-10 ISO-00 SSO-00 OC-05 CCO-00 CIAE-00 SS-15

IO-11 INR-07 INRE-00 SAB-01 L-03 IGA-02 AID-05 ACDA-05

NSC-05 NSCE-00 DODE-00 /075 W

----- 086769

O 020620Z MAR 76

FM USMISSION SINAI

TO SECSTATE WASHDC IMMEDIATE 89

C O N F I D E N T I A L SINAI 0162

FOR SSM

E.O. 11652: GDS

TAGS: PFOR, EG, IS

SUBJ: COMMUNICATIONS SURVEY

FOLLOWING SENT CAIRO MARCH 1, 1976 REPEATED FOR YOUR ACTION:

QUOTE

C O N F I D E N T I A L SINAI 0162

E.O. 11652: GDS

TAGS: PFOR, EG, IS

SUBJECT: COMMUNICATIONS SURVEY

REF: SINAI 0152

FOR GEN. SVENDSEN

1. THE MEETING PLANNED FOR 1 MARCH (REFTEL) WAS NOT HELD BECAUSE OF COMMUNICATIONS DIFFICULTIES. THE PURPOSE OF THIS MESSAGE IS TO PROVIDE MORE DETAILS CONCERNING THE COMMUNICATIONS SURVEY TO ESTABLISH DIRECT COMMUNICATION BETWEEN SFM AND MOD, CAIRO AND TO SUGGEST ALTERNATIVE SOLUTIONS TO PROBLEMS ENCOUNTERED DURING THE SURVEY.

CONFIDENTIAL

CONFIDENTIAL

PAGE 02 SINAI 00162 021133Z

2. THE COMMUNICATIONS SURVEY CONDUCTED BY MR. G. STANDLEY,

ET. A). REVEALED THAT A REPEATER STATION WILL BE REQUIRED TO ESTABLISH RELIABLE VHF COMMUNICATIONS BETWEEN SFM AND CAIRO. THE ESTABLISHMENT OF A REPEATER STATION COULD BE A TIME CONSUMING AND EXPENSIVE VENTURE. FIRST, A GEOGRAPHIC SURVEY MUST BE CONDUCTED TO DETERMINE A SUITABLE ELEVATION FOR THE REPEATER. FURTHERMORE, MEANS OF PROVIDING TRANSPORTATION AND POWER TO THE SITE MUST BE DETERMINED. A TOWER MUST BE ERECTED FOR THE ANTENNA, AND A SHELTER FOR THE ELECTRONIC EQUIPMENT. IF COMMERCIAL POWER IS NOT AVAILABLE, OTHER POWER SOURCES MUST BE SOUGHT. THE MOST COMMON POWER SOURCE FOR A REMOTE REPEATER IS PORTABLE ENGINE-GENERATOR SETS. HOWEVER, THESE SETS GENERALLY REQUIRE DAILY MAINTENANCE, WHICH COULD NECESSITATE FULL TIME MANNING OF THE SITE FOR MAG3-NCE PURPOSES. COMMITMENT U.S. PERSONNEL FOR THIS PURPOSE IS UNDESIRABLE. THEREFORE, IT IS IMPORTANT THAT QUESTIONS RELATED TO THE ESTABLISHMENT AND OPERATION OF A REPEATER STATION BE EXAMINED.

3. CRITICAL QUESTIONS RELATING TO THE ESTABLISHMENT OF A REPEATER STATION ARE:

- A. WHAT GEOGRAPHIC LOCATIONS WILL PROVIDE RF LINE-OF-SIGHT BETWEEN ISMAILIA AND CAIRO?
- B. IS COMMERCIAL POWER AVAILABLE AT ANY OF THE LINE-OF-SIGHT LOCATIONS?
- C. ARE ROADS AVAILABLE TO THE LOCATIONS WHICH HAVE BOTH LINE-OF-SIGHT AND COMMERCIAL POWER?

4. QUESTION A. CAN BE RESOLVED BY FIRST CONSULTING A RELIABLE TOPOGRAPHIC MAP TO DETERMINE THOSE LOCATIONS WHICH APPEAR SUITABLE, AND THEN CONDUCTING A PROPAGATION TEST TO CONFIRM RF LINE-OF-SIGHT. QUESTIONS A AND B MAY BE RESOLVED BY CONDUCTING A VISUAL SURVEY TO LOCATE POWER LINES AND ROADS. IT IS CONCEIVABLE THAT MOD ALREADY HAS THE DESIRED INFORMATION. REQUEST YOU DETERMINE AVAILABILITY OF THIS INFORMATION.

5. ONE POSSIBLE ALTERNATIVE TO UTILIZING A VHF REPEATER BETWEEN ISMAILIA AND CAIRO IS TO TIE INTO EXISTING COMMERCIAL

CONFIDENTIAL

PAGE 03 SINAI 00162 021133Z

TELEPHONE CHANNELS BETWEEN THESE LOCATIONS. IN THIS CASE THE EXISTING VHF LINK BETWEEN SFM AND ISMAILIA WOULD BE CONVERTED TO A VOICE PLUS TTY CIRCUIT. AN INTERFACE TERMINAL WOULD BE INSTALLED IN ISMAILIA TO CONVERT THE OUTPUT OF THE VHF TERMINAL TO A TELEPHONE COMPATIBLE SIGNAL. THE SIGNAL WOULD THEN BE TRANSMITTED TO CAIRO BY AN EXISTING TELEPHONE CIRCUIT. IN ORDER TO PURSUE THIS ALTERNATIVE IT IS NECESSARY TO ANSWER THE FOLLOWING QUESTIONS:

A. DOES A RELIABLE TELEPHONE CIRCUIT EXIST BETWEEN ISMAILIA AND CAIRO?

B. CAN THIS CIRCUIT BE PRIORITIZED OR DEDICATED TO EARLY WARNING ALERT?

C. WHAT ARE THE INPUT AND OUTPUT ELECTRICAL CHARACTERISTICS OF THE CIRCUIT? REQUEST YOU INVESTIGATE THIS ALTERNATIVE WITH MOD.

6. ANOTHER ALTERNATIVE IS TO ESTABLISH A VHF LINK AT SOME OTHER POINT WHERE A TELEPHONE CABLE OR CIRCUIT IS AVAILABLE TO CAIRO. FOR EXAMPLE, A COMMUNICATIONS CABLE IS APPARENTLY BEING INSTALLED BY THE EGYPTIAN ARMY IN THE VICINITY OF CHECKPOINT ALPHA. SFM CURRENTLY HAS A VHF LINK WITH ALPHA. IF A CIRCUIT ON THIS CABLE COULD BE UTILIZED IT WOULD EXPEDITE AS WELL AS SIMPLIFY THE IMPLEMENTATION OF DIRECT COMMUNICATIONS BETWEEN SFM AND MOD. REQUEST YOU INVESTIGATE THE USE OF THIS CABLE OR ANY OTHER CABLE WITHIN SINGLE-HOP VHF RANGE OF SFM.

7. SINCE MR. WALLEN ONLY HAS A SHORT TIME REMAINING BEFORE RETURNING TO CONUS TO EXPEDITE THIS AND OTHER COMMUNICATIONS ITEMS, IT IS URGENT THAT THE ABOVE ISSUES BE RESOLVED BY NOON ON 3 MARCH. DUE TO TIME LIMITATIONS, MR. WALLEN WILL NOT BE ABLE TO TRAVEL TO CAIRO, BUT COULD MEET WITH US EMBASSY CAIRO AND MOD PERSONNEL IN ISMAILIA WITHIN NEXT 36 HOURS TO DISCUSS ISSUES.

8. REQUEST YOU OBTAIN ANSWERS TO ABOVE QUESTIONS AND PROVIDE ANSWERS TO SFM BY 1200 ON 3 MARCH.
THORNE UNQUOTE THORNE

CONFIDENTIAL

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 JAN 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: TELECOMMUNICATION, PEACE OBSERVATION MISSIONS, TRACKING STATIONS, SURVEYS
Control Number: n/a
Copy: SINGLE
Draft Date: 02 MAR 1976
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: RELEASED
Disposition Approved on Date:
Disposition Authority: RowellE0
Disposition Case Number: n/a
Disposition Comment: 25 YEAR REVIEW
Disposition Date: 28 MAY 2004
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1976SINAI00162
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: GS
Errors: N/A
Film Number: D760078-1198
From: SINAI
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1976/newtext/t197603103/aaaadnic.tel
Line Count: 144
Locator: TEXT ON-LINE, ON MICROFILM
Office: ACTION SSM
Original Classification: CONFIDENTIAL
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 3
Previous Channel Indicators: n/a
Previous Classification: CONFIDENTIAL
Previous Handling Restrictions: n/a
Reference: 76 SINAI 152
Review Action: RELEASED, APPROVED
Review Authority: RowellE0
Review Comment: n/a
Review Content Flags:
Review Date: 26 APR 2004
Review Event:
Review Exemptions: n/a
Review History: RELEASED <26 APR 2004 by GarlanWA>; APPROVED <19 OCT 2004 by RowellE0>
Review Markings:

Margaret P. Grafeld
Declassified/Released
US Department of State
EO Systematic Review
04 MAY 2006

Review Media Identifier:
Review Referrals: n/a
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
Secure: OPEN
Status: NATIVE
Subject: COMMUNICATIONS SURVEY FOLLOWING SENT CAIRO MARCH 1, 1976 REPEATED FOR YOUR ACTION
TAGS: PFOR, ETEL, IS, US, EG
To: STATE
Type: TE
Markings: Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 04 MAY 2006